



SEQUENCE LISTING

<110> CO, MAN SUNG

MAXIMILLIANO, VASQUEZ

<120> ANTITHROMBOTIC AGENT AND HUMANIZED ANTI-VON WILLEBRAND FACTOR MONOCLONAL ANTIBODY

<130> 202617US0PCT

<140> 09/763,129

<141> 2001-05-16

<150> PCT/US99/16724

<151> 1999-08-19

<150> 09/136,315

<151> 1998-08-19

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 417

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (1)..(417)

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Met Asp Phe Gly Leu Ile Phe Phe Ile Val Ala Leu Leu Lys Gly Val	
1 5 10 15	

cag tgt gag gtg aaa ctt ctc gag tct gga ggt ggc ctg gtg cag act	96
Gln Cys Glu Val Lys Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Thr	
20 25 30	

gga gga tcc ctg aaa ctc tcc tgt gca gcc tca gga ttc gat ttt agt	144
Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Ser	
35 40 45	

aga ttc tgg atg agt tgg gtc cgg cag gct cca ggg aaa ggg cta gaa	192
Arg Phe Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu	
50 55 60	

tgg att gga gaa gtt aat cca gat aac aat acg atg aac tat acg cca	240
Trp Ile Gly Glu Val Asn Pro Asp Asn Asn Thr Met Asn Tyr Thr Pro	
65 70 75 80	

tct cta aag gat aaa ttc atc atc tcc aga gac aac gcc aaa aat acg	288
Ser Leu Lys Asp Lys Phe Ile Ile Ser Arg Asp Asn Ala Lys Asn Thr	
85 90 95	

ctg tac ctg caa atg agt caa gtg aga tct gag gac aca gcc ctt tac	336
Leu Tyr Leu Gln Met Ser Gln Val Arg Ser Glu Asp Thr Ala Leu Tyr	
100 105 110	

tac tgt gca aga cct ccc tac tat ggt agc tac ggg ggg ttt gct tac	384
Tyr Cys Ala Arg Pro Pro Tyr Tyr Gly Ser Tyr Gly Gly Phe Ala Tyr	
115 120 125	

tgg ggc caa ggg act ctg gtc tct gtc tcg cca	417
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<212> PRT

<213> Mus musculus

<400> 2

Met Asp Phe Gly Leu Ile Phe Phe Ile Val Ala Leu Leu Lys Gly Val
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Gln Cys Glu Val Lys Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Thr
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Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Ser
35 40 45

Arg Phe Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu
50 55 60

Trp Ile Gly Glu Val Asn Pro Asp Asn Asn Thr Met Asn Tyr Thr Pro
65 70 75 80

Ser Leu Lys Asp Lys Phe Ile Ile Ser Arg Asp Asn Ala Lys Asn Thr
85 90 95

Leu Tyr Leu Gln Met Ser Gln Val Arg Ser Glu Asp Thr Ala Leu Tyr
100 105 110

Tyr Cys Ala Arg Pro Pro Tyr Tyr Gly Ser Tyr Gly Gly Phe Ala Tyr
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Trp Gly Gln Gly Thr Leu Val Ser Val Ser Pro
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Met Ser Val Pro Thr Gln Val Leu Gly Leu Leu Leu Leu Trp Leu Thr	
1 5 10 15	
gat gcc aga tgt gac atc cag atg act cag tct cca gcc tcc cta tct	96
Arg Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser	
20 25 30	
gta tct gtg gga gaa act gtc acc atc aca tgt cga gca agt gag aat	144
Val Ser Val Gly Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asn	
35 40 45	
att tac aat aat tta gct tgg tat cag cag aga cag gga aaa tct cct	192
Ile Tyr Asn Asn Leu Ala Trp Tyr Gln Gln Arg Gln Gly Lys Ser Pro	
50 55 60	
cag ctc ctg gtc tat gct gca aca aac tta gca gat ggt gtg cca tca	240
Gln Leu Leu Val Tyr Ala Ala Thr Asn Leu Ala Asp Gly Val Pro Ser	
65 70 75 80	
agg ttc agt ggc agt gga tca ggc aca cag tat tcc ctc aag atc gac	288
Arg Phe Ser Gly Ser Gly Ser Gly Thr Gln Tyr Ser Leu Lys Ile Asp	
85 90 95	
agc ctg cag tct gaa gat ttt ggg agt tat tac tgt caa cat ttg tgg	336
Ser Leu Gln Ser Glu Asp Phe Gly Ser Tyr Tyr Cys Gln His Leu Trp	
100 105 110	
act tct ccg tac acg ttc gga ggg ggg acc aag ctg gaa ata aaa	381
Thr Ser Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys	
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<212> PRT

<213> Mus musculus

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Met Ser Val Pro Thr Gln Val Leu Gly Leu Leu Leu Trp Leu Thr
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Asp Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser
20 25 30

Val Ser Val Gly Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asn
35 40 45

Ile Tyr Asn Asn Leu Ala Trp Tyr Gln Gln Arg Gln Gly Lys Ser Pro
50 55 60

Gln Leu Leu Val Tyr Ala Ala Thr Asn Leu Ala Asp Gly Val Pro Ser
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Thr Gln Tyr Ser Leu Lys Ile Asp
85 90 95

Ser Leu Gln Ser Glu Asp Phe Gly Ser Tyr Tyr Cys Gln His Leu Trp
100 105 110

Thr Ser Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
115 120 125

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<213> Artificial Sequence

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<222> (1)..(417)

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cag tgt gag gtg caa ctt gtc gag tct gga ggt gga cta gtg cag cct 96
Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro
20 25 30
gga gga tca ctg aga ctc tcc tgt gca gcc tca gga ttc gat ttt agt 144
Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Ser
35 40 45
aga ttc tgg atg agt tgg gtc cgg cag gct cca ggg aaa ggg ctc gag 192
Arg Phe Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu
50 55 60
tgg att gga gaa gtt aat cca gat aac aat acg atg aac tat acg cca 240
Trp Ile Gly Glu Val Asn Pro Asp Asn Asn Thr Met Asn Tyr Thr Pro
65 70 75 80
tct cta aag gat aaa ttc acc atc tcc aga gac aac gcc aaa aat acg 288
Ser Leu Lys Asp Lys Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr
85 90 95
ctg tac ctg caa atg aac tca ttg aga gct gag gac acg gcc gtt tac 336
Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr
100 105 110
tac tgt gca aga cct ccc tac tat ggt agc tac ggg ggg ttt gct tac 384
Tyr Cys Ala Arg Pro Pro Tyr Tyr Gly Ser Tyr Gly Gly Phe Ala Tyr
115 120 125
tgg ggc caa ggg act ctg gtc acc gtc tcc tca 417
Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
130 135

<210> 6

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Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro
20 25 30

Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asp Phe Ser
35 40 45

Arg Phe Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu
50 55 60

Trp Ile Gly Glu Val Asn Pro Asp Asn Asn Thr Met Asn Tyr Thr Pro
65 70 75 80

Ser Leu Lys Asp Lys Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr
85 90 95

Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr
100 105 110

Tyr Cys Ala Arg Pro Pro Tyr Tyr Gly Ser Tyr Gly Gly Phe Ala Tyr
115 120 125

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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gat gcc aga tgt gac atc cag atg act cag tct cca tcc tcc cta tct 96
Asp Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser
20 25 30
gca tct gtg gga gac agg gtc acc atc aca tgt cga gca agt gag aat 144
Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Asn
35 40 45
att tac aat aat tta gct tgg tat cag cag aaa ccg gga aaa gct cct 192
Ile Tyr Asn Asn Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
50 55 60
aag cta cta gtc tat gct gca aca aac tta gca gat ggt gtg cca tca 240
Lys Leu Leu Val Tyr Ser Ala Ala Thr Asn Leu Ala Asp Gly Val Pro Ser
65 70 75 80
agg ttc agt ggc agt gga tca ggc aca cag tat acc ctc acg atc agc 288
Arg Phe Ser Gly Ser Gly Ser Gly Thr Gln Tyr Thr Leu Thr Ile Ser
85 90 95
agc ctc cag cct gag gat ttt gcg act tat tac tgt caa cat ttg tgg 336
Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Leu Trp
100 105 110
act tct ccg tac acg ttc gga ggg ggg acc aag gtg gaa ata aaa 381
Thr Ser Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
115 120 125

<210> 8

<211> 127

<212> PRT

<213> Artificial Sequence

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Met Ser Val Pro Thr Gln Val Leu Gly Leu Leu Leu Trp Leu Thr
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Asp Ala Arg Cys Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser
20 25 30

Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Asn
35 40 45

Ile Tyr Asn Asn Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
50 55 60

Lys Leu Leu Val Tyr Ala Ala Thr Asn Leu Ala Asp Gly Val Pro Ser
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Thr Gln Tyr Thr Leu Thr Ile Ser
85 90 95

Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Leu Trp
100 105 110

Thr Ser Pro Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
115 120 125